DEPARTMENT OF TRANSPORTATION

STATE OF GRORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE MAIM-20-2(146) Morgan OFFICE Materials and Research

P.I. NO. 210560

Forest Park, Georgia

Rest Area Building No. 52 & 53 DATE

May 23, 1996

FROM

MARI Ronald Collins, State Materials and Research Engineer

TO

James Kennerly, State Road & Airport Design Engineer

ATTENTION: Adolfo Guzman

SUBJECT FOUNDATION RECOMMENDATIONS FOR REST AREA BUILDINGS NO. 52 & 53

As requested, a foundation recommendation investigation has been completed for Rest Area Buildings No. 52 and No. 53 on the above listed site.

It is our understanding that Rest Area Building No. 52 and No. 53 are single-story structures to be founded on individual footings at elevations 697.5± and 690.0±, respectively. Three borings were made at each location as shown on the attached location sketches to determine material types, relative densities, and possible groundwater levels.

The soils at each location were primarily medium dense micaceous sandy silts and groundwater was not found at either location during the investigation. The following soil parameters are recommended for design:

Soil Unit Weight - $\gamma = 120 \text{ PCF}$ c = 0 PCFCohesion -Angle of Internal Friction - $\phi = 28^{\circ}$

For Site Nos. 52 and 53, a maximum safe design bearing pressure of 3.0 KSF is recommended. The sites should be inspected by a Geotechnical Engineer prior to the pouring of the footings.

If any additional information is needed, please contact Gerald Bailey of the Geotechnical Engineering Bureau at 404-363-7546.

RC:GDB:qb Attachments

copy: Charles W. Norris, District Engineer, Tennille

Richard C. Marshall, Area Five Engineer, Madison, Georgia